

Schedule of Major BTeV Work at C0 (3/26/04 Draft)

Period	Collision Hall Activity	Assembly Hall Activity	Counting Room Activity	C0 Tunnel IR Activity	C0 Service Bldg. & External Act
2005 Shutdown (Aug 8-Sept 30) Change Lattice for New C0 Straight Section	<ul style="list-style-type: none">Remove MI Dipoles and most of shielding blocksInstall 4" beam pipeModify LCW headers to supply Collision Hall and Assembly HallInstall ODH wall on u.s. and d.s. ends of collision hall	<ul style="list-style-type: none">Modify LCW headers to supply Collision Hall and Assembly Hall		<ul style="list-style-type: none">Remove MI DipolesInstall new synch Light monitor in D4Extend LCW to Coll & Assembly HallInstall ODH wall on u.s. and d.s. ends of collision hall	<ul style="list-style-type: none">Inspect and repack Feeders and Manholes from KRS to B4
Fall 2005 - Summer 2006		<ul style="list-style-type: none">Install power for magnet PSInstall house powerInstall fire detection/protectionComplete block walls and remove scaffold <ul style="list-style-type: none">Assemble Vertex MagnetAssemble South Toroid (shielding) with B2	<ul style="list-style-type: none">Install structural and floors		
2006 Shutdown (Aug 7-Sept 29)	<ul style="list-style-type: none">Install power and panel boardsInstall Vertex MagnetInstall South Toroid with B2Install North B2 on shielding blocksInstall gate valves, vacuum instrument cross and new temporary center beam pipe				
Fall 2006 - Summer 2007		<ul style="list-style-type: none">Install air handlers in mech. Room (small portion in assembly hall)Assemble North Toroid with B2Begin mounting Muon Chambers on North ToroidAssemble RICH tank frame	<ul style="list-style-type: none">Install ground planeInstall ECW headers (1st floor)Install raised floorInstall power up to panelsFinish out counting rooms		<ul style="list-style-type: none">Complete C0 service building modificationsComplete 500 kva and 1500 kva transformer installation at B4,C1,C0 service buildingsKRS to B4
2007 Shutdown (Aug 6-Sept 28)	<ul style="list-style-type: none">Install/commission fancoils & ductworkRemove B2 and shield blocksInstall North Toroid with B2 and some Muon chambersInstall 10 % Pixel TestInstall Straw station 3 Chambers			<ul style="list-style-type: none">Begin installing low Beta quad bus in tunnel (B4,C1)	
Fall 2007 - Summer 2008		<ul style="list-style-type: none">Install RICH Mirrors and some PMT'sAssemble ECAL Structure and begin installing ECAL crystals (as available)	<ul style="list-style-type: none">Begin installation of counting room rack power and cooling connectionsBegin installing 1st floor counting room racks		
2008 Shutdown (Aug 4-Sept 26)	<ul style="list-style-type: none">Install partially filled ECAL StructureInstall RICH tank and perform in-situ mirror alignmentInstall additional Muon Chambers		<ul style="list-style-type: none">Begin installation of HVPSInstall HV cablesInstall DAQ data cablesBegin installation of slow controls	<ul style="list-style-type: none">Continue installation of low Beta quad bus in tunnel (B4,C1)Remove Q1 magnets and P spools from A4/B1Remove collimators from E0 and F17Add B2 removal features in tunnel ???	
Fall 2008 - Spring 2009		<ul style="list-style-type: none">Install infrastructure and detector systems (ECW, Straw cooling, etc)Staging for Full Pixel and Forward Tracking installation	<ul style="list-style-type: none">Begin installing L1 trigger crates and DAQ in 1st floor counting room racksBegin installing L2/3 trigger equipment in 3rd floor counting roomComplete installation of HVPS		
2009 Shutdown (June 1-Sept 30) Extended Shutdown for new IR and final Detector Installation	<ul style="list-style-type: none">Install PixelInstall forward tracking beam pipeInstall forward tracking stations 1-6, & 7Complete RICHComplete ECALComplete MuonComplete Rack Mounting & Service Decking		<ul style="list-style-type: none">Complete installation of L1 trigger crates and DAQ in 1st floor countingComplete installation of L2/3 trigger equipment in 3rd floor counting room	<ul style="list-style-type: none">Complete Installation of C0 IR	

Legend

- WBS 1.0 - Detector
- WBS 2.0 - IR
- WBS 3.0 - C0 Outfitting